

Work Order ID 160329

Tuesday, April 25, 2017 2:28:33 PM

160329

Page 1

Item ID: D4032-041 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Short Basket Assembly (350)
Start Date: 5/8/2017 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 5/9/2017 Req'd Qty: 1.00 ***1*** Customer:
Reference: SCHEDULED/C

Approvals: Process Plan:  Date: APR 25 2017 Tooling: Date: Run Start ***NR1***
QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D4032	E								
100	Pick Kit	0.00							
100									
Packaging	Memo	0.00							
Packaging									
110	Assemble as per dwg	0.00							
110									
HandFinish	Memo	0.98							
Hand Finishing	****Mask label plate to size of D4086 label, use scotchbrite red pad to lightly sand area for label, apply label ****								
120	QC5- Inspect part completeness to step on W/O	0.00							
120									
QC	Memo	0.02							
Quality Control									

MAY 23 2017

DAS
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DAS
38
9-89

MAY 23 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐				
Date : _____	Step #: _____	QTY Effective : _____			MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			Completed By	
					Lead hand / Supervisor Approval Verification	
					QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
OTHER : ☐						

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160329

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Item ID: D4032-041 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Short Basket Assembly (350)
Start Date: 5/8/2017 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 5/9/2017 Req'd Qty: 1.00 ***1*** Customer:
Reference: SCHEDULED/C

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: _____	0.00							
130									
Packaging	Memo	0.01							
Packaging									
140	QC21 - Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.10							
Quality Control									

DAS
27
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MAY 26 2017

17/5/2508

DAS
21
9-89

MAY 25 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Page 1

Work Order ID: 160329

160329

Parent Item: D4032-041

D4032-041

Parent Item Name: Short Basket Assembly (350)

Start Date: 5/8/2017

Required Date: 5/9/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP RevA: new issue DD 09.12.02 verified by:EC IPP Rev:B as per PA3 DD 10.03.10 verified by:EC IPP Rev:C as per RevA DD 10.03.23 verified by:EC IPP Rev:D as per dwg revC DD 10.04.20 verified by:EC IPP Rev:E as per dwg revD DD 10.08.18 verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2530 *D2530* Handle Weldment		Manufactured	No			100	Each	13.0000	1	1			
**													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST379		13							
				157464		13							
D2535 *D2535* Spring		Manufactured	No			100	Each	80.0000	2	2			
**													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST008		80							
				153928		25							
				155434		5							
				158095		50							
D2537 *D2537* Bushing		Manufactured	No			100	Each	61.0000	2	2			
**													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST008		61							
				155579		61							

MAY 23 2017
DAS
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MAY 23 2017
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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
200 100 50 25 10 5 2 1 0								Lead hand / Supervisor Approval Verification																																																									
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Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : ☐			
Misidentified ☐	Past Due ☐																																																																

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Work Order ID: 160329

160329

Parent Item: D4032-041

D4032-041

Parent Item Name: Short Basket Assembly (350)

Start Date: 5/8/2017

Required Date: 5/9/2017

Start Qty: 1.00

Required Qty: 1.00

D3917-3 Manufactured No

100 Each 106.0000 6 6

D3917-3

Washer

**

DAS
6
9-89

MAY 23 2017

Location

Loc Qty

Loc Code

ST056

106

154158

28

155753

53

157536

25

6

D3953-3 Manufactured No

100 Each 63.0000 2 2

D3953-3

Gas Spring Stud, Lid

**

DAS
6
9-89

MAY 23 2017

Location

Loc Qty

Loc Code

ST060

23

155380

23

ST064A

40

158669

40

2

D3953-7 Manufactured No

100 Each 97.0000 2 2

D3953-7

Spring Spacer

**

DAS
6
9-89

MAY 23 2017

Location

Loc Qty

Loc Code

ST060

17

153780

17

ST064A

80

154160

54

155761

26

1

1

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
OTHER : ☐									

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Work Order ID: 160329

Parent Item: D4032-041

Parent Item Name: Short Basket Assembly (350)

160329

D4032-041

Start Date: 5/8/2017

Required Date: 5/9/20

Start Qty: 1.00

Required Qty: 1.00

D3953-9

Manufactured No

100 Each

71.0000 2 2

D3953-9

Gas Spring Washer

**

DAS
6
9-89

MAY 23 2017

Location

Loc Qty

Loc Code

ST060
155377
157574
158715

71
8
19
44

D3953-17

Manufactured No

100 Each

64.0000 2 2

D3953-17

Gas Spring Spacer

**

DAS
6
9-89

MAY 23 2017

Location

Loc Qty

Loc Code

ST060
153987
155261
159089
ST064A
154777

46
1
15
30
18
18

D3953-19

Manufactured No

100 Each

43.0000 1 1

D3953-19

Gas Spring Bracket

**

DAS
6
9-89

MAY 23 20

Location

Loc Qty

Loc Code

ST060
154208
154776
ST064A
154207
155258
159087

10
5
5
33
0
12
21

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
OTHER : _____									

Picklist Print

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Work Order ID: 160329

160329

Parent Item: D4032-041

D4032-041

Parent Item Name: Short Basket Assembly (350)

Start Date: 5/8/2017

Required Date: 5/9/2017

Start Qty: 1.00

Required Qty: 1.00

D3953-21 Manufactured No

100 Each 35.0000 1 1

D3953-21

Gas Spring Bracket

**

DAS
6
9-89

MAY 23 2017

Location

Loc Qty

Loc Code

ST061

35

154213

4

154310

10

155275

6

159096

15

D3969-3 Manufactured No

100 Each 18.0000 1 1

D3969-3

Spring (Basket Lid)

**

DAS
6
9-89

MAY 23 2017

Location

Loc Qty

Loc Code

ST364

10

158103

10

ST369

8

151625

8

D4017-041 Manufactured No

100 Each 0.0000 1 1

D4017-041

Short Basket Base Assembly (350)

D4018-041

Manufactured No

100 Each 0.0000 1 1

D4018-041

AS350 Short Basket Lid Assembly

**

DAS
6
9-89

160340

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B160345 (11/17/10/12)

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
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Misidentified ☐	Past Due ☐																																																														

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Work Order ID: 160329

160329

Parent Item: D4032-041

D4032-041

Parent Item Name: Short Basket Assembly (350)

Start Date: 5/8/2017

Required Date: 5/9/2017

Start Qty: 1.00

Required Qty: 1.00

AN3-14A Purchased No

100 Each 173.0000 4 4

AN3-14A

Bolt

★★

DAS
6
9-89

MAY 23 2017

Location	Loc Qty	Loc Code
over003	155	
m134852	0	
<u>m137075</u>	155	
ST349	18	
m136838	18	

AN3-16A Purchased No

100 Each 49.0000 2 2

AN3-16A

Bolt

★★

DAS
6
9-89

MAY 23 2017

Location	Loc Qty	Loc Code
GA	37	
117441	37	
ST348	12	
M136665	12	

AN4-12 Purchased No

100 Each 104.0000 3 3

AN4-12

Bolt

★★

DAS
6
9-89

MAY 23 2017

Location	Loc Qty	Loc Code
over003	90	
137320	50	
<u>m136199</u>	40	
ST344	14	
m137178	14	

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Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
				Completed By					
				Lead hand / Supervisor Approval Verification					
				QC / QA Coordinator Approval					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Picklist Print

Tuesday, April 25, 2017 2:28:32 PM

Work Order ID: 160329

160329

Parent Item: D4032-041

D4032-041

Parent Item Name: Short Basket Assembly (350)

Start Date: 5/8/2017

Required Date: 5/9/2017

Start Qty: 1.00

Required Qty: 1.00

AN5-17A

Purchased

No

100

Each

102.0000

4

4

AN5-17A

DAS

6

9-89

MAY 23 2017

Bolt

Location

Loc Qty

Loc Code

GA

20

117872

20

ST337

82

m136648

7

m136986

75

AN310-4

Purchased

No

100

Each

62.0000

3

3

AN310-4

MAY 23 2017

Nut

Location

Loc Qty

Loc Code

GA

25

M127815

25

ST331

37

M136648

1

M137075

36

AN310C4

Purchased

No

100

Each

51.0000

2

2

AN310C4

MAY 23 2017

Nut

Location

Loc Qty

Loc Code

ST331

51

M135895

1

M136450

25

M136986

25

DAS

6

9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
				Completed By					
				Lead hand / Supervisor Approval Verification					
				QC / QA Coordinator Approval					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Tuesday, April 25, 2017 2:28:32 PM

Page 7

Work Order ID: 160329

160329

Parent Item: D4032-041

D4032-041

Parent Item Name: Short Basket Assembly (350)

Start Date: 5/8/2017

Required Date: 5/9/2017

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

100

Each

1,865.000

6

6

MS21042L3

Nut

DAS
6
9-89

MAY 23 2017

Location

Loc Qty

Loc Code

FP001

100

m135945

100

GA

168

m134360

102

M136665

66

OVER007

300

m134360

0

M136665

300

ST303

1297

m137073

11

m137166

286

m137321

1000

MS21042L5

Purchased

No

100

Each

182.0000

4

4

MS21042L5

Nut

DAS
6
9-89

MAY 23 2017

Location

Loc Qty

Loc Code

GA

16

m127813

16

ST303

166

m136986

1

m137075

75

m137164

90

Tuesday, April 25, 2017 2:28:32 PM

Shop Packet Print

Page 7

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : ☐					

Picklist Print

Tuesday, April 25, 2017 2:28:32 PM

Page 8

Work Order ID: 160329

160329

Parent Item: D4032-041

D4032-041

Parent Item Name: Short Basket Assembly (350)

Start Date: 5/8/2017

Required Date: 5/9/2017

Start Qty: 1.00

Required Qty: 1.00

MS24665-151

Purchased

No

100

Each

99.0000

3

3

MS24665-151

Cotter Pin

**

DAS

6

9-89

MAY 23 2017

Location

Loc Qty

Loc Code

GA

60

m128401

60

ST289

39

m136444

39

MS24665-300

Purchased

No

100

Each

49.0000

2

2

MS24665-300

COTTER PIN

**

DAS

6

9-89

MAY 23 2017

Location

Loc Qty

Loc Code

GA

28

118234

28

ST288

21

m135046

21

NAS1149F0432P

Purchased

No

100

Each

537.0000

6

6

NAS1149F0432P

WASHER

**

DAS

6

9-89

MAY 23 2017

Location

Loc Qty

Loc Code

ST262

537

M136442

537

NAS1149C0432R

Purchased

No

100

Each

974.0000

2

2

NAS1149C0432R

WASHER

**

DAS

6

9-89

MAY 23 2017

Location

Loc Qty

Loc Code

GA

357

m134676

357

ST266

617

m136986

617

Tuesday, April 25, 2017 2:28:32 PM

Shop Packet Print

Page 8

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Picklist Print

Page 9

Tuesday, April 25, 2017 2:28:32 PM

Work Order ID: 160329

160329

Parent Item: D4032-041

D4032-041

Parent Item Name: Short Basket Assembly (350)

Start Date: 5/8/2017

Required Date: 5/9/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P Purchased No

100 Each 1,277.000 8 8

NAS1149F0332P

Washer

MAY 23 2017

DA
6
9-8

Location

Loc Qty

Loc Code

GA

275

m133709

275

ST262

1002

m137075

1002

NAS1149F0563P Purchased No

100 Each 221.0000 4 4

NAS1149F0563P

Washer

MAY 23 2017

DA
6
9-8

Location

Loc Qty

Loc Code

ST2360A

200

m136983

200

ST262

21

m134852

21

Tuesday, April 25, 2017 2:28:32 PM

Shop Packet Print

Page 9

DQA: _____ Date: _____



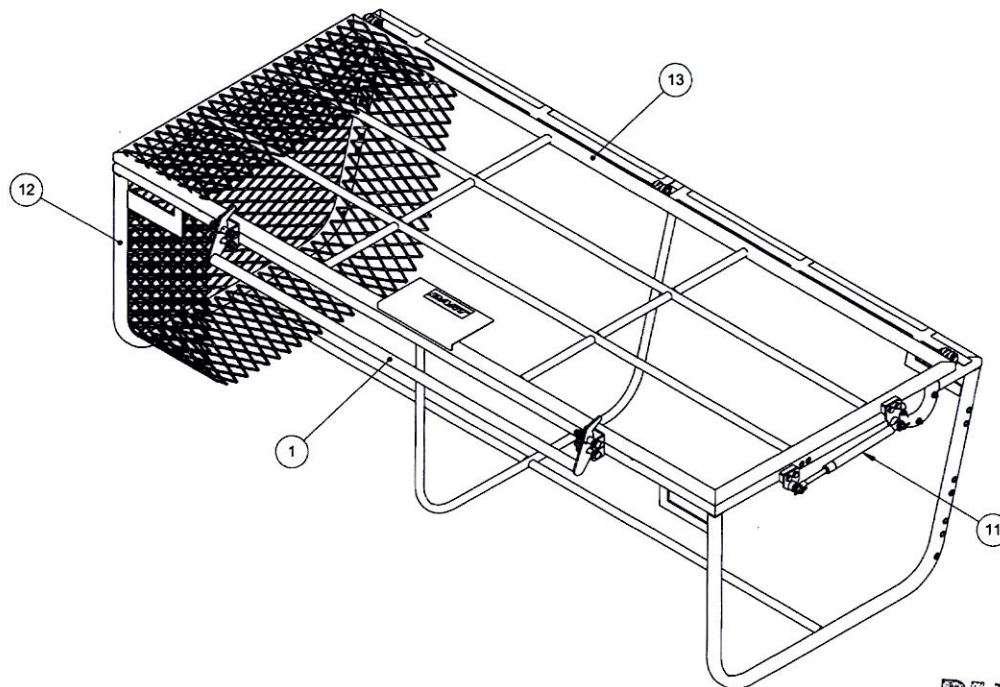
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
3								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
OTHER : _____									

ITEM	-041 QTY.	P/N	DESCRIPTION
	X	D4032-041	SHORT BASKET ASSY (350)
1	1	D2530	HANDLE WELDMENT
2	2	D2535	SPRING
3	2	D2537	BUSHING
4	6	D3917-3	WASHER
5	2	D3953-3	GAS SPRING STUD, LID
6	2	D3953-7	GAS SPRING SPACER
7	2	D3953-9	GAS SPRING WASHER
8	2	D3953-17	GAS SPRING SPACER
9	1	D3953-19	GAS SPRING BRACKET
10	1	D3953-21	GAS SPRING BRACKET
11	1	D3969-3	SPRING
12	1	D4017-041	SHORT BASKET BASE ASSY (350)
13	1	D4018-041	SHORT BASKET LID ASSY (350)
14	2	AN310C4	NUT, PLAIN, CASTELLATED
15	3	AN310-4	NUT, PLAIN, CASTELLATED
16	4	AN3-14A	BOLT
17	2	AN3-16A	BOLT
18	3	AN4-12	BOLT
19	4	AN5-17A	BOLT
20	6	MS21042L3	NUT, SELF-LOCKING
21	4	MS21042L5	NUT, SELF-LOCKING
22	3	MS24665-151	COTTER PIN
23	2	MS24665-300	COTTER PIN
24	8	NAS1149F0332P	WASHER
25	6	NAS1149F0432P	WASHER
26	2	NAS1149C0432R	WASHER
27	4	NAS1149F0563P	WASHER



D4032-041 SHORT BASKET ASSY (350)
(MESH SHOWN LOCALLY FOR CLARITY)

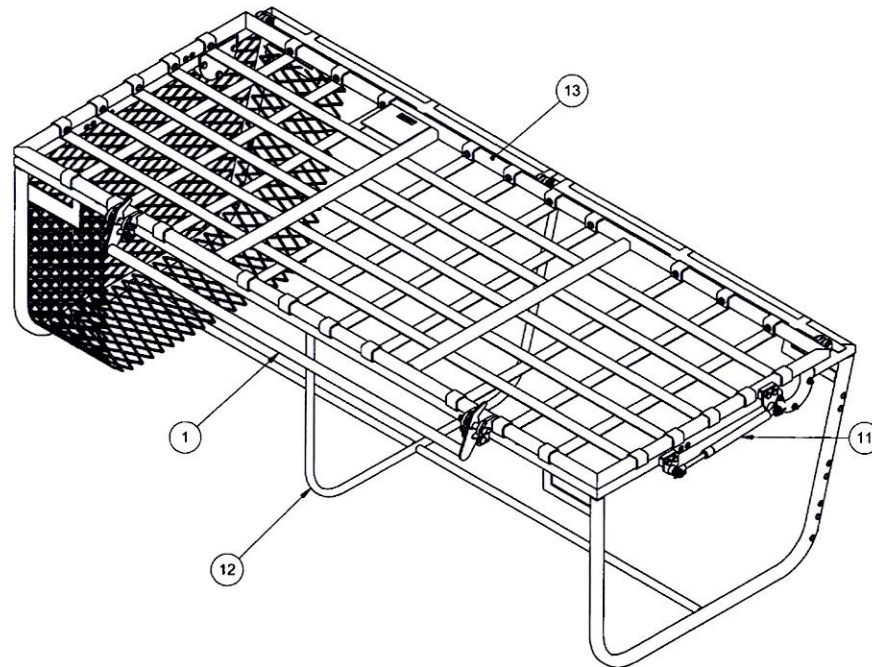
RELEASED
2013-08-16
JPH

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 160329 P
APR 25 2017

NOTES:
1) MATERIAL: N/A
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED.
5) BREAK SHARP EDGES: N/A
6) IDENTIFICATION: N/A
7) WEIGHT: 56 lbs APPROX

E	REFORMAT FOR CLARITY. PICTORIAL UPDATE TO MULTIPLE VIEWS DUE TO CHANGES IN SUB ASSEMBLIES.	AJS	13.07.22
D	QTY FOR ITEMS #28, #29 & #30 UNDER -043 WERE MISSING (B8-1); QTY FOR ITEM #3 WAS 4 (D6-1). ONLY 2 ARE REQUIRED, AFFECTS SECTION C-C (D3-3).	MB	10.07.23
C	AN5-21A BOLT WAS AN5-19A BOLT: BOM & (D3-3)	JPH	10.04.06
B	ITEM 15 D4086-232 & 16 D4086-243 REMOVED, ITEM RENUMBERED AS REQD. PLACARDS REMOVED (C8-2); TOP VIEW DETAIL REMOVED (C2-2)	JPH	10.03.25
A	NEW ISSUE	JPH	10.03.08
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	R	DRAWING NO.	REV. E
MFG. APPR.	R	D4032	SHEET 1 OF 4
APPROVED	JPH	TITLE	SCALE
DE APPR.	JPH	SHORT BASKET ASSY (350)	NTS
DATE	13.07.22	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

ITEM	-043 QTY.	P/N	DESCRIPTION
	X	D4032-043	SHORT BASKET ASSY, LIGHT LID (350)
1	1	D2530	HANDLE WELDMENT
2	2	D2535	SPRING
3	2	D2537	BUSHING
4	6	D3917-3	WASHER
5	2	D3953-3	GAS SPRING STUD, LID
6	2	D3953-7	GAS SPRING SPACER
7	2	D3953-9	GAS SPRING WASHER
8	2	D3953-17	GAS SPRING SPACER
9	1	D3953-19	GAS SPRING BRACKET
10	1	D3953-21	GAS SPRING BRACKET
11	1	D3969-3	SPRING
12	1	D4017-041	SHORT BASKET BASE ASSY (350)
13	1	D4019-041	LIGHT LID SHORT BASKET
14	4	AN3-14A	BOLT
15	2	AN3-20A	BOLT
16	3	AN4-12	BOLT
17	2	AN5-17A	BOLT
18	2	AN5-21A	BOLT
19	3	AN310-4	NUT, PLAIN, CASTELLATED
20	2	AN310C4	NUT, PLAIN, CASTELLATED
21	6	MS21042L3	NUT, SELF-LOCKING
22	4	MS21042L5	NUT, SELF-LOCKING
23	3	MS24665-151	COTTER PIN
24	2	MS24665-300	COTTER PIN
25	6	NAS1149F0432P	WASHER
26	2	NAS1149C0432R	WASHER
27	8	NAS1149F0332P	WASHER
28	4	NAS1149F0563P	WASHER



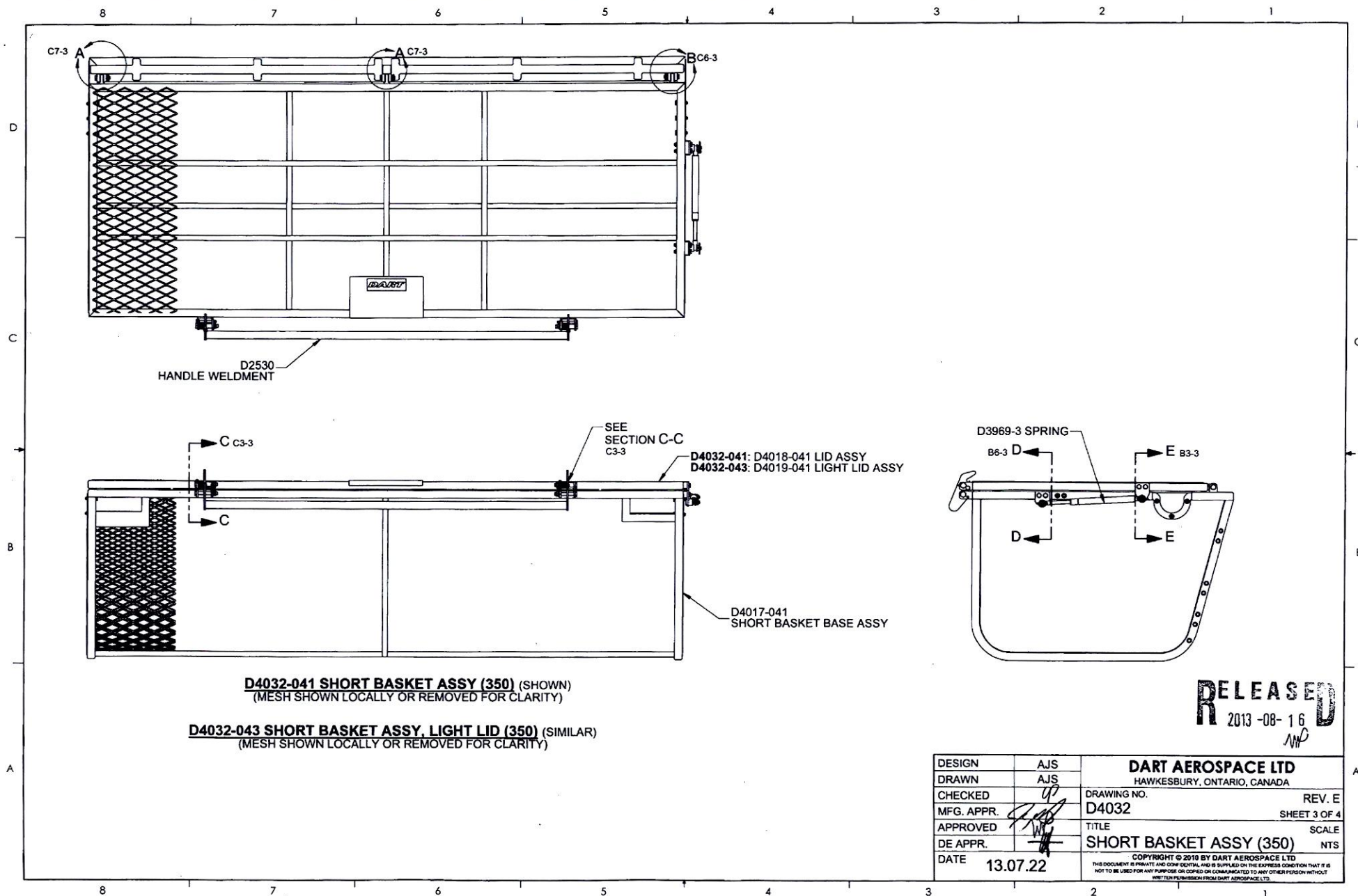
D4032-043 SHORT BASKET ASSY, LIGHT LID (350)
(MESH SHOWN LOCALLY FOR CLARITY)

RELEASED
2013-08-16
MP

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 45 lbs APPROX

DESIGN	AJS	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. E
MFG. APPR.	<i>[Signature]</i>	D4032	SHEET 2 OF 4
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	SHORT BASKET ASSY (350)	NTS
DATE	13.07.22	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PROPERTY AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



RELEASE
2013-08-16

DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. E
MFG. APPR.		D4032	SHEET 3 OF 4
APPROVED		TITLE	SCALE
DE APPR.		SHORT BASKET ASSY (350)	NTS
DATE	13.07.22	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

8

7

6

5

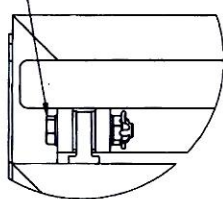
4

3

2

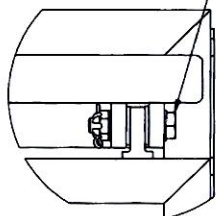
1

AN4-12 BOLT, MACHINE
D3917-3 WASHER, 2X
NAS1149F0432P WASHER, 2X
AN310-4 NUT, CASTELLATED
MS24665-151 COTTER PIN



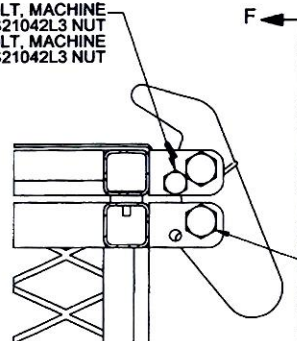
DETAIL A D8-2
D6-2

AN4-12 BOLT, MACHINE
D3917-3 WASHER, 2X
NAS1149F0432P WASHER, 2X
AN310-4 NUT, CASTELLATED
MS24665-151 COTTER PIN



DETAIL B D4-2

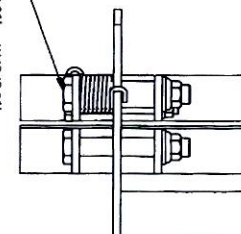
D4032-041: AN3-16A BOLT, MACHINE
MS21042L3 NUT
D4032-043: AN3-20A BOLT, MACHINE
MS21042L3 NUT



SECTION C-C B5-2
B7-2

D4032-041: AN5-17A BOLT, MACHINE
D2537 BUSHING
D2535 SPRING
NAS1149F0563P WASHER
MS21042L5 NUT
D4032-043: AN5-21A BOLT, MACHINE
D2537 BUSHING
D2535 SPRING
NAS1149F0563P WASHER
MS21042L5 NUT

AN5-17A BOLT, MACHINE
NAS1149F0563P WASHER
MS21042L5 NUT



VIEW F-F C3-3

D2530 WELDMENT
REF

D3953-17 GAS SPRING SPACER

D3953-21 GAS SPRING BRACKET

AN3-14A BOLT, MACHINE
NAS1149F0332P WASHER, 2X
MS21042L3 NUT
2 PL

D3953-3 GAS SPRING STUD, LID
D3953-7 GAS SPRING SPACER
D3953-9 GAS SPRING SPACER
NAS1149C0432R WASHER
AN310C4 NUT, CASTELLATED
MS24665-300 COTTER PIN

D3969-3 SPRING
REF

SECTION D-D B2-2

D3953-17 GAS SPRING SPACER

D3953-19 GAS SPRING BRACKET

AN3-14A BOLT, MACHINE
NAS1149F0332P WASHER, 2X
MS21042L3 NUT
2 PL

D3953-3 GAS SPRING STUD, LID
D3953-7 GAS SPRING SPACER
D3953-9 GAS SPRING SPACER
NAS1149C0432R WASHER
AN310C4 NUT, CASTELLATED
MS24665-300 COTTER PIN

D3969-3 SPRING
REF

SECTION E-E B1-2

RELEASED
2013-08-16

DESIGN	AJS	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. E
MFG. APPR.		D4032	SHEET 4 OF 4
APPROVED		TITLE	SCALE
DE APPR.		SHORT BASKET ASSY (350)	NTS
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